PATENT

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AMENDMENT TO THE CLAIMS

Claim 1 (currently amended): A compound of the formula

$$R^{4} \qquad (X)_{c} \qquad (R^{1})_{a} \qquad I$$

$$R^{4} \qquad (Y)_{d} \qquad (X)_{c} \qquad (R^{1})_{a} \qquad I$$

$$R^{4} \qquad (Y)_{d} \qquad (X)_{c} \qquad (R^{1})_{a} \qquad I$$

or a the pharmaceutically acceptable salt and pro-drugs thereof; wherein

a is 1, 2, 3, 4 or 5;

c is 0 or 1;

d is 1, 2, 3, 4 or 5;

k is 0, 1, 2, 3 or 4; 1 is 0, 1, 2, 3 or 4; m is 0, 1, 2, 3, or 4; k, l and m cannot all be 0 and if m and/or k are not 0, then l must be 0.;

W is CH or N;

X is C(O), C(S) or CH_2 ;

Y is CH₂;

Z is oxygen, NR⁹ or CR¹¹R¹²;

each R^1 is independently selected from hydrogen, hydroxy, hydroxysulfonyl, halo, (C_1-C_6) alkyl, mercapto, mercapto (C_1-C_6) alkyl, (C_1-C_6) alkylthio, (C_1-C_6) alkylsulfinyl, (C_1-C_6) alkylsulfonyl, (C_1-C_6) alkylthio (C_1-C_6) alkyl, (C_1-C_6) alkylsulfonyl (C_1-C_6) alkyl, (C_1-C_6) alkyl, (C_1-C_6) alkyl, (C_1-C_6) alkyl, (C_1-C_6) alkyl, nitro, nitroso, cyano, (C_6-C_{10}) aryl (C_1-C_6) aryl (C_1-C_6) alkyl, nitro, nitroso, cyano, (C_6-C_{10}) aryl (C_1-C_6) aryl (C_1-C_6) alkyl, nitro, nitroso, cyano, (C_6-C_{10}) aryl (C_1-C_6) aryl $(C_1-C$

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C<sub>6</sub>)alkoxy, halo(C<sub>1</sub>-C<sub>6</sub>)alkoxy, trifluoromethoxy, (C<sub>3</sub>-C<sub>7</sub>)cycloalkyl, (C<sub>3</sub>-C<sub>7</sub>)cycloalkyl(C<sub>1</sub>-
C<sub>6</sub>)alkyl, hydroxy(C<sub>3</sub>-C<sub>7</sub>)cycloalkyl(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>3</sub>-C<sub>7</sub>)cycloalkylamino, (C<sub>3</sub>-
C<sub>7</sub>)cycloalkylamino(C<sub>1</sub>-C<sub>6</sub>)alkyl, ((C<sub>3</sub>-C<sub>7</sub>)cycloalkyl)((C<sub>1</sub>-C<sub>6</sub>)alkyl)amino, ((C<sub>3</sub>-C<sub>7</sub>)cycloalkyl)amino, ((C<sub>3</sub>-C<sub>7</sub>
C_7)cycloalkyl(C_1-C_6)alkyl)amino(C_1-C_6)alkyl, cyano(C_1-C_6)alkyl, (C_2-C_7)alkenyl, (C_2-C_7)alkyl
C_7) alkynyl, (C_6-C_{10}) aryl, (C_6-C_{10}) aryl(C_1-C_6) alkyl, (C_6-C_{10}) aryl(C_2-C_6) alkenyl, hydroxy(C_1-C_6) alkyl, (C_6-C_{10}) aryl(C_1-C_6) aryl(C_1-C_6)
 C_6)alkyl, hydroxy(C_6-C_{10})aryl(C_1-C_6)alkyl, hydroxy(C_1-C_6)alkylthio(C_1-C_6)alkyl,
hydroxy(C<sub>2</sub>-C<sub>6</sub>)alkenyl, hydroxy(C<sub>2</sub>-C<sub>6</sub>)alkynyl, (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-
  C_6) alkoxy (C_6 - C_{10}) aryl (C_1 - C_6) alkyl, (C_6 - C_{10}) aryloxy (C_1 - C_6) alkyl, (C_6 - C_{10}) aryl (C_1 - C_6) alkyl, (
    C_6)alkoxy(C_1-C_6)alkyl, amino, (C_1-C_6)alkylamino, ((C_1-C_6)alkyl)<sub>2</sub>amino, (C_6-
  C_{10}) arylamino, (C_6-C_{10}) aryl(C_1-C_6) alkylamino, amino(C_1-C_6) alkylamino(C_1-C_6) alkyla
  C_6) alkyl, ((C_1-C_6)alkyl)_2 amino (C_1-C_6)alkyl, \ hydroxy (C_1-C_6)alkyl amino (C_1-C_6)alkyl, \ (C_6-C_6)alkyl)_2 amino (C_1-C_6)alkyl, \ (C_6-C_6)alkyl)_3 amino (C_1-C_6)alkyl, \ (C_6-C_6)alkyl)_4 amino (C_1-C_6)alkyl, \ (C_6-C_6)alkyl)_6 amino (C_1-C_6)alkyl, \ (C_6-C_6)alkyl)_7 amino (C_1-C_6)alkyl, \ (C_6-C_6)alkyl)_8 amino (C_1-C_6)alkyl, \ (C_6-C_6)alkyl)_9 amino (C_1-C_6)alkyl, \ (C_6-C_6)alkyl, \ (C_6-C_6)alkyl)_9 amino (C_1-C_6)alkyl, \ (C_6-C_6)alkyl, 
  C_{10})arylamino(C_1-C_6)alkyl, (C_6-C_{10})aryl (C_1-C_6)alkylamino(C_1-C_6)alkyl, (C_1-
    C<sub>6</sub>)alkylcarbonylamino, ((C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl)((C<sub>1</sub>-C<sub>6</sub>)alkyl)amino, (C<sub>1</sub>-
    C_6)alkylcarbonylamino(C_1-C_6)alkyl, ((C_1-C_6)alkylcarbonyl)((C_1-C_6)alkyl)amino(C_1-
    C_6)alkyl, (C_1-C_6)alkoxycarbonylamino, ((C_1-C_6)alkoxycarbonyl)((C_1-C_6)alkyl)amino,
    (C_1-C_6)alkoxycarbonyl)(C_1-C_6)alkylamino, (C_1-C_6)alkoxycarbonylamino(C_1-C_6)alkyl,
    ((C_1-C_6)alkoxycarbonyl)((C_1-C_6)alkyl)amino(C_1-C_6)alkyl, (C_1-C_6)alkyl)
     C_6)alkoxycarbnony)((C_4-C_6)alkyl)amino(C_4-C_6)alkoxycarbonyl,
     (C_6-C_{10})aryl(C_1-C_6)alkoxycarbonyl, (C_1-C_6)alkylcarbonyl, (C_1-C_6)alkylcarbonyl(C_1-C_6)alkylcarbonyl
     C_6)alkyl, (C_6-C_{10})arylcarbonyl, (C_6-C_{10})arylcarbonyl(C_1-C_6)alkyl, (C_6-C_{10})aryl(C_1-C_6)alkyl, (C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})aryl(C_6-C_{10})ar
     C_6)alkylcarbonyl, (C_6-C_{10})aryl(C_1-C_6)alkycarbonyl(C_1-C_6)alkyl, carboxy(C_1-C_6)alkyl, (C_1-C_6)alkyl, carboxy(C_1-C_6)alkyl, (C_1-C_6)alkyl, carboxy(C_1-C_6)alkyl, (C_1-C_6)alkyl, 
      C_6)alkoxycarbonyl(C_1-C_6)alkyl, (C_6-C_{10})aryl(C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl, (C_1-
      C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyloxy(C<sub>1</sub>-C<sub>6</sub>)alkyl, aminocarbonyl, (C<sub>1</sub>-
      C<sub>6</sub>)alkylaminocarbonyl, ((C<sub>1</sub>-C<sub>6</sub>)alkyl)<sub>2</sub>aminocarbonyl, (C<sub>6</sub>-C<sub>10</sub>)arylaminocarbonyl, (C<sub>6</sub>-
      C_{10})aryl(C_1-C_6)alkylaminocarbonyl, aminocarbonyl(C_1-C_6)alkyl, (C_1-
      C_6)alkylaminocarbonyl(C_1-C_6)alkyl, ((C_1-C_6)alkyl)aminocarbonyl(C_1-C_6)alkyl, (C_6-C_6)alkyl, (C_6-C_6)
      C_{10})arylaminocarbonyl(C_1-C_6)alkyl, (C_1-C_6)alkylaminocarbonyl(C_1-C_6)alkyl, amidino,
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guanidino, ureido, (C₁-C₆)alkylureido, ((C₁-C₆)alkyl)₂ureido, ureido(C₁-C₆)alkyl, (C₁-

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C_6)alkylureido(C_1-C_6)alkyl, ((C_1-C_6)alkyl)_2ureido(C_1-C_6)alkyl, (C_2-C_9)heterocycloalkyl,
(C_2-C_9)heteroaryl, (C_2-C_9)heterocycloalkyl(C_1-C_6)alkyl and (C_2-C_9)heteroaryl(C_1-C_6)alkyl;
         R^4 is (R^5Q_0)_f(C_6-C_{10}) aryl, (R^5Q_0)_f(C_3-C_{10}) cycloalkyl, (R^5Q_0)_f(C_2-C_9) heteroaryl,
(R^5Q_0)_f(C_2-C_9)heterocycloalkyl,
         wherein f is 0, 1, 2, 3, 4 or 5;
          Q is (C_1-C_6)alkyl;
         q is 0 or 1;
         R<sup>5</sup> is independently selected from: (C<sub>2</sub>-C<sub>9</sub>)heterocycloalkylcarbonyl, (C<sub>2</sub>-
C<sub>9</sub>)heteroarylcarbonyl, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkylaminocarbonyl, (C<sub>2</sub>-
C_9)heteroarylaminocarbonyl, (C_2-C_9)heterocycloalkyl(C_1-C_6)alkylaminocarbonyl, (C_1-
C_6)alkylsulfonylaminocarbonyl, (C_1-C_6)alkylsulfonylamino(C_1-C_6)alkylaminocarbonyl,
ureido(C<sub>1</sub>-C<sub>6</sub>)alkylaminocarbonyl, (C<sub>1</sub>-C<sub>6</sub>)alkylureido(C<sub>1</sub>-C<sub>6</sub>)alkylaminocarbonyl, ((C<sub>1</sub>-
C<sub>6</sub>)alkyl)<sub>2</sub>ureido(C<sub>1</sub>-C<sub>6</sub>)alkylaminocarbonyl, halo(C<sub>1</sub>-C<sub>6</sub>)alkylaminocarbonyl, (C<sub>1</sub>-
C_6)alkylcarbonylamino(C_1-C_6)alkylaminocarbonyl, hydroxy(C_1-C_6)alkylaminocarbonyl,
aminosulfonyl(C<sub>1</sub>-C<sub>6</sub>)alkylaminocarbonyl, carboxy(C<sub>1</sub>-C<sub>6</sub>)alkylaminocarbonyl, (C<sub>1</sub>-
C<sub>6</sub>)alkylaminosulfonyl(C<sub>1</sub>-C<sub>6</sub>)alkylaminocarbonyl, amino(C<sub>1</sub>-C<sub>6</sub>)alkylcarbonylamino, (C<sub>1</sub>-
C_6)alkylamino(C_1-C_6)alkylcarbonylamino, carboxy(C_1-C_6)alkylcarbonylamino, carboxy(C_1-
C_6)alkoxycarbonylamino, ((C_1-C_6)alkyl)<sub>2</sub>amino(C_1-C_6)alkylcarbonylamino,
acetylamino(C<sub>1</sub>-C<sub>6</sub>)alkylcarbonylamino, acetylamino(C<sub>1</sub>-*C<sub>6</sub>)alkylearbonylamino,
(acetyl)((C<sub>1</sub>-C<sub>6</sub>)alkyl)amino(C<sub>1</sub>-C<sub>6</sub>)alkylcarbonylamino, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonylamino(C<sub>1</sub>-
C_6)alkylcarbonylamino, cyanoguanidino(C_1-C_6)alkylcarbonylamino, (C_1-
C_6)alkylcyanoguanidino(C_1-C_6)alkylcarbonylamino, ((C_1-C_6)alkyl)2cyanoguanidino(C_1-
C_6)alkylcarbonylamino, aminocarbonyl(C_1-C_6)alkylcarbonylamino,
aminocarbonylamino(C<sub>1</sub>-C<sub>6</sub>)alkylcarbonylamino, (C<sub>1</sub>-C<sub>6</sub>)alkylaminocarbonylamino(C<sub>1</sub>-
C_6)alkylcarbonylamino, ((C_1-C_6)alkyl)<sub>2</sub>aminocarbonylamino(C_1-C_6)alkylcarbonylamino,
(C<sub>2</sub>-C<sub>9</sub>)heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkylcarbonylamino, (C<sub>2</sub>-C<sub>9</sub>)heterocycloalkyl(C<sub>1</sub>-
C_6)alkylcarbonylamino, aminosulfonyl(C_1-C_6)alkylcarbonylamino, hydroxy(C_1-
C_6)alkylureido, amino(C_1-C_6)alkylureido, (C_1-C_6)alkylureido, ((C_1-
C<sub>6</sub>)alkyl)<sub>2</sub>amino(C<sub>1</sub>-C<sub>6</sub>)alkylureido, (C<sub>2</sub>-C<sub>9</sub>)heterocycloalkyl(C<sub>1</sub>-C<sub>6</sub>)alkylureido, (C<sub>2</sub>-
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 C_9)heteroarylureido, (C_2-C_9) heteroaryl (C_1-C_6) alkylureido, (C_1-C_6) alkylureido, aminosulfonyl (C_1-C_6) alkylureido, aminosulfonyl (C_1-C_6) alkylureido, $(C_1-$

 C_6)alkylaminocarbonyl(C_1 - C_6)alkylureido, ((C_1 - C_6)alkyl)₂aminocarbonyl(C_1 -

 C_6)alkylureido, acetylamino(C_1 - C_6)alkylureido, (acetyl)((C_1 - C_6)alkyl)amino(C_1 -

C₆)alkylureido, carboxy(C₁-C₆)alkylureido, halo(C₁-C₆)alkylsulfonylamino, amino(C₁-

C₆)alkylsulfonylamino, (C₁-C₆)alkylamino(C₁-C₆)alkylsulfonylamino, ((C₁-

 C_6)alkyl $_2$ amino(C_1 - C_6)alkyl $_3$ lsulfonylamino, acetylamino(C_1 - C_6)alkyl $_3$ lsulfonylamino,

(acetyl)((C₁-C₆)alkyl)amino(C₁-C₆)alkylsulfonylamino, ureido(C₁-C₆)alkylsulfonylamino,

(C₁-C₆)alkylureido(C₁-C₆)alkylsulfonylamino, ((C₁-C₆)alkyl)₂ureido(C₁-

 C_6) alkylsul fonylamino, (C_1-C_6) alkylsul fonylamino,

cyanoguanidino(C₁-C₆)alkylsulfonylamino, carboxy(C₁-C₆)alkylsulfonylamino, (C₁-

 C_6) alkylcyanoguanidino (C_1 - C_6) alkylsulfonylamino, ((C_1 - C_6) alkyl) 2 cyanoguanidino (C_1 -

C₆)alkylsulfonylamino, aminocarbonyl(C₁-C₆)alkylsulfonylamino, (C₁-

C₆)alkoxycarbonylamino(C₁-C₆)alkylsulfonylamino, aminosulfonylaminocarbonyl, (C₁-

 C_6) alkylaminosul fonylaminocarbonyl, $((C_1-C_6)$ alkyl)₂ aminosul fonylaminocarbonyl, (C_6-C_6) alkyl) (C_6-C_6) alky

 C_{10})arylsulfonyl, (C_1-C_6) alkylaminosulfonylamino, $((C_1-C_6)$ alkyl)₂aminosulfonylamino, aminocarbonyl (C_1-C_6) alkylamino (C_1-C_6) alkylsulfonylamino, (C_2-C_6) alkylsulfonylamino, (C_3-C_6) alkylsulf

C₉)heterocycloalkyloxycarbonylamino(C₁-C₆)alkylsulfonylamino, (C₂-

C₉)heteroaryloxycarbonylamino(C₁-C₆)alkylsulfonylamino, cyanoguanidino, (C₁-

C₆)alkylcyanoguanidino, ((C₁-C₆)alkyl)₂cyanoguanidino, (C₂-

 $C_9) heterocycloalkyl (C_1-C_6) alkyl cyanoguanidino,\\ (C_2-C_9) heterocycloalkyl (C_1-C_6) alkyl cyanoguanidino,\\ (C_1-C_6) alkyl cyanoguanidino,\\ (C_2-C_9) heterocycloalkyl (C_1-C_6) alkyl cyanoguanidino,\\ (C_1-C_6) alkyl cyanoguanidino,\\ (C_2-C_9) heterocycloalkyl (C_1-C_6) alkyl cyanoguanidino,\\ (C_1-C_6) alkyl cyanoguanid$

 $(C_2-C_9) heteroaryl (C_1-C_6) alkyl cyanoguanidino, amino (C_1-C_6) alkyl cyanoguanidino, (C_1-C_6) alkyl cyanoguanidino, amino (C_1-C_6) alkyl$

 C_6)alkylamino(C_1 - C_6)alkylcyanoguanidino, ((C_1 - C_6)alkyl)₂amino(C_1 -

 C_6) alkylcyanoguanidino, aminocarbonyl (C_1 - C_6) alkylcyanoguanidino, carboxy (C_1 -

 C_6) alkylcyanoguanidino C_1 - C_6) alkylaminocarbonyl (C_1 - C_6) alkylcyanoguanidino, ((C_1 -

 C_6) alkyl $)_2$ aminocarbonyl (C_1 - C_6) alkylcyanoguanidino, hydroxy (C_1 - C_6) alkylamino,

aminocarbonyl(C₁-C₆)alkylamino, carboxy(C₁-C₆)alkylamino, (C₁-

 C_6)alkylamino(C_1 - C_6)alkylamino, (C_1 - C_6)alkylamino, (C_1 - C_6)alkylamino, aminosulfonyl(C_1 - C_6)alkylamino, (C_2 - C_9)heteroaryl(C_1 - C_6)alkylamino, acetylamino(C_1 -

C₆)alkylamino, (acetyl)((C₁-C₆)alkyl)amino(C₁-C₆)alkylamino, (C₂-C₉)heterocycloalkyl(C₁-C₆)alkylamino, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylamino, (C₁-C₆)alkylamino(C₁- C_6)alkylamino, (C_1-C_6) alkoxy (C_1-C_6) alkylamino, (C_1-C_6) alkoxycarbonyl (C_1-C_6) alkylamino, cyano(C₁-C₆)alkylamino, (C₂-C₉)heterocycloalkyloxycarbonylamino(C₁-C₆)alkylamino, (C₂-C₉)heteroaryloxycarbonylamino(C₁-C₆)alkylamino, cyanoguanidino(C₁-C₆)alkylamino, $(C_1-C_6) alkyl cyanoguanidino (C_1-C_6) alkyl amino, \\ ((C_1-C_6)alkyl)_2 cyanoguanidino (C_1-C_6) alkyl cyanoguanidino ($ C₆)alkylamino, ureido(C₁-C₆)alkylamino, (C₁-C₆)alkylamino, ((C₁-C₆)alkylamino, ((C₁-C₆)alkylamino) C₆)alkyl)₂ureido(C₁-C₆)alkylamino, aminocarbonyloxy(C₁-C₆)alkylamino, hydroxy(C₁- C_6)alkylcarbonylamino, (C_1 - C_6)alkylcarbonylamino, ((C_1 -C₆)alkyl)₂aminocarbonyl(C₁-C₆)alkylcarbonylamino, (C₁-C₆)alkoxycarbonylamino(C₁-C₆)alkylcarbonylamino, aminosulfonyl(C₁-C₆)alkylcarbonylamino, hydroxy(C₁-C₆)alkylamino(C₁-C₆)alkylcarbonylamino, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylamino(C₁-C₆)alkylcarbonylamino, (C₁-C₆)alkylamino(C₁-C₆)alkylamino(C₁-C₆)alkylcarbonylamino, amino(C₁-C₆)alkylamino(C₁-C₆)alkylcarbonylamino, (C₁- C_6)alkoxy(C_1 - C_6)alkylamino(C_1 - C_6)alkylcarbonylamino, (C_2 -C₉)heterocycloalkyloxycarbonylamino, (C₂-C₉)heteroarylcarbonylamino(C₁-C₆)alkylcarbonylamino, (C₂-C₉)heteroarylcarbonylamino, (C₂-C₉)heterocycloalkylcarbonylamino, (C₂-C₉)heteroaryl(C₁-C₆)alkylcarbonylamino, (C₂-C₉)heterocycloalkyl(C₁-C₆)alkylcarbonylamino, (C₂-C₉)heterocycloalkylcarbonylamino(C₁-C₆)alkylcarbonylamino, cyano(C₁-C₆)alkylcarbonylamino, (C₁-C₆)alkylsulfonylamino(C₁-C₆)alkylaminocarbonylamino, (C₁-C₆)alkoxycarbonylamino(C₁-C₆)alkylaminocarbonylamino, (C₂-C₉)heterocycloalkyloxycarbonylamino(C₁-C₆)alkylaminocarbonylamino, (C₂-C₉)heteroaryloxycarbonylamino(C₁-C₆)alkylaminocarbonylamino, (C₂-C₀)heteroaryloxyearbonylamino(C₁- C_6)alkylaminocarbonylaminol, ureido(C_1 - C_6)alkylureido, (C_1 - C_6)alkylureido(C_1 -C₆)alkylureido, ((C₁-C₆)alkyl)₂ureido(C₁-C₆)alkylureido, cyanoguanidino(C₁-C₆)alkylureido, (C₂-C₉)heteroaryl(cyanoguanidino), aminosulfonyl, amino(C₁- C_6) alkylsulfonyl, (C_1-C_6) alkylamino (C_1-C_6) alkylsulfonyl, $((C_1-C_6)$ alkyl) 2 amino (C_1-C_6) alkylsulfonyl, $((C_1-C_6)$ alkyl) 2 amino (C_1-C_6) alkylsulfonyl, $((C_1-C_6)$ alkyl) 2 amino $((C_1-C_6)$ alkylsulfonyl, $((C_1-C_6)$ alkyl) 2 amino $((C_1-C_6)$ alkylsulfonyl, $((C_1-C_6)$ alkylsulfonyl) 2 amino $((C_1-C_6)$ alkylsulfonyl, $((C_1-C_6)$ alkylsulfonyl) 2 amino $((C_1-C_6)$ and $((C_1-C_6)$ alkylsulfonyl) 2 amino $((C_1-C_6)$ and $((C_1-C_6)$ alkylsulfonyl) 2 amino $((C_1-C_6)$ and $((C_$ C_6) alkylsulfonyl, (C_1-C_6) alkylaminosulfonyl, $((C_1-C_6)$ alkyl)₂ aminosulfonyl, (C_2-C_6) alkylsulfonyl, (C_1-C_6) alkylsulfonyl, (C_1-C_6) alkylsulfonyl, (C_2-C_6) alkylsulfonyl, (C_1-C_6) alkylsulfonyl, (C_2-C_6) alkylsulfonyl, (C_1-C_6) alkylsulfonyl, (C_2-C_6) alkylsulfonyl, (C_1-C_6) alkylsulfonyl, (C_2-C_6) alkylsulfonyl, (C_2-C_6)

 C_9)heterocycloalkylsulfonyl, amino(C_1 - C_6)alkylaminosulfonyl, (C_1 - C_6)alkylamino(C_1 - C_6)alkylaminosulfonyl, ((C_1 - C_6)alkyl)₂amino(C_1 - C_6)alkylaminosulfonyl, $(C_2 \cdot C_9)$ heteroarylaminosulfonyl, hydroxy $(C_1 \cdot C_6)$ alkylaminosulfonyl, $(C_1 \cdot C_6)$ alkoxy $(C_1 \cdot C_9)$ C_6)alkylaminosulfonyl, ureido(C_1 - C_6)alkylaminosulfonyl, (C_1 - C_6)alkylureido(C_1 -C₆)alkylaminosulfonyl, ((C₁-C₆)alkyl)₂ureido(C₁-C₆)alkylaminosulfonyl, (C₁- C_6)alkylsulfonylamino(C_1 - C_6)alkylaminosulfonyl, (C_1 - C_6)alkoxycarbonylamino(C_1 -C₆)alkylaminosulfonyl, (C₂-C₉)heterocycloalkyloxycarbonylamino(C₁-C₆)alkylaminosulfonyl, (C₂-C₉)heteroaryloxycarbonylamino(C₁-C₆)alkylaminosulfonyl, aminocarbonyl(C₁-C₆)alkylaminosulfonyl, cyanoguanidino(C₁-C₆)alkylaminosulfonyl, (C₂- C_9)heteroarylaminosulfonyl, (C_2 - C_9)heteroaryl(C_1 - C_6)alkylaminosulfonyl, (C_2 -C₉)heterocycloalkylaminosulfonyl, (C₁-C₆)alkylcarbonylaminosulfonyl, halo(C₁-C₆)alkylcarbonylaminosulfonyl, (C₁-C₆)alkoxycarbonylaminosulfonyl, ureidosulfonyl, (C₁-C₆)alkylureidosulfonyl, ((C₁-C₆)alkyl)₂ureidosulfonyl, hydrogen, hydroxy, hydroxysulfonyl, halo, mercapto, (C_1-C_6) alkylthio, (C_1-C_6) alkylsulfinyl, (C_1-C_6) alkylsulfonyl, carboxy (C_1-C_6) alkylsulfonyl, carboxy C_6)alkylsulfonyl, (C_6 - C_{10})arylsulfonyl, (C_2 - C_9)heteroarylsulfonyl, (C_2 - C_9) C_0)heteroarylsulfonyl, (C_1-C_6) alkoxy, hydroxy (C_1-C_6) alkoxy, (C_6-C_{10}) aryloxy, trifluoro(C₁-C₆)alkyl, formyl, nitro, nitroso, cyano halo(C₁-C₆)alkoxy, trifluoro(C₁-C₆)alkoxy, amino(C₁-C₆)alkoxy, (C₃-C₁₀)cycloalkylhydroxy(C₃-C₁₀)cycloalkyl (C₃-C₁₀)cycloalkylamino(C₂-C₆)alkenyl, (C₂-C₆)alkynyl, (C₆-C₁₀)aryl, (C₆-C₁₀)aryl(C₂- C_6)alkenyl, hydroxy(C_6 - C_{10})aryl, ((C_1 - C_6)alkylamino)(C_6 - C_{10})aryl, hydroxy(C_1 - C_6)alkylthio, hydroxy(C_2 - C_6)alkenyl, hydroxy(C_2 - C_6)alkynyl, (C_1 - C_6)alkoxy(C_6 - C_{10})arvl, (C_6-C_{10}) aryl (C_1-C_6) alkoxy, amino, (C_1-C_6) alkylamino, $((C_1-C_6)$ alkyl)₂amino, (C_6-C_{10}) aryl (C_1-C_6) alkoxy, amino, (C_6-C_{10}) aryl (C_1-C_6) alkyl)₂amino, (C_6-C_{10}) aryl (C_1-C_6) alkyl)₂amino, (C_6-C_6) alkyl)₃amino, (C_6-C_6) alkyl)₄amino, (C_6-C_6) alkyl)₅amino, (C_6-C_6) alkyl)₆amino, (C_6-C_6) alkyl)₆amino, (C_6-C_6) alkyl)₇amino, (C_6-C_6) alkyl)₈amino, (C_6-C_6) alkyl) C_{10})arylamino, (C_6-C_{10}) aryl (C_1-C_6) alkylamino, amino (C_1-C_6) alkylamino, (C_2-C_6) alkylamino, amino (C_1-C_6) alkylamino, amino C₉)heterocycloalkylamino, (C₂-C₉)heteroarylamino, (C₂-C₉)heteroaryl(C₁-C₆)alkylamino, \overline{y} (C₂-C₉)heterocycloalkyl(C₁-C₆)alkylamino, (C₃-C₁₀)cycloalkyl((C₁-C₆)alkyl)amino, (C₃-C₁₀)cycloalkyl((C₁-C₆)alkyl)amino, (C₃-C₁₀)cycloalkyl((C₁-C₆)alkyl)amino, (C₃-C₁₀)cycloalkyl((C₁-C₆)alkyl)amino, (C₃-C₁₀)cycloalkyl((C₁-C₆)alkyl)amino, (C₃-C₁₀)cycloalkyl((C₁-C₆)alkyl)amino, (C₃-C₁₀)cycloalkyl((C₁-C₆)alkyl)amino, (C₃-C₁₀)cycloalkyl((C₁-C₁-C₁₀)alkyl)amino, (C₃-C₁₀-C C_{10})eyeloalkyl (C_1-C_6) alkyl)amino, (C_1-C_6) alkylcarbonylamino, (C_1-C_6) alkylcarbonylamino, C_6)alkoxycarbonylamino, (C_2-C_6) alkenylcarbonylamino, (C_3-C_{10}) cycloalkylcarbonylamino, (C_6-C_{10}) arylcarbonylamino, (C_2-C_9) heterocycloalkylcarbonylamino, (C_2-C_9)

C₉)heteroaryloxycarbonylamino, (C₂-C₉)heterocycloalkoxycarbonylamino, halo(C₁-

C₆)alkylcarbonylamino, (C₁-C₆)alkoxy(C₁-C₆)alkylcarbonylamino, (C₁- C_6)alkoxycarbonyl (C_1-C_6) alkylcarbonylamino, $((C_1-C_6)$ alkylcarbonyl) $((C_1-C_6)$ alkyl)amino, $((C_1-C_6)alkoxycarbonyl)((C_1-C_6)alkyl)amino, (C_1-C_6)alkylsulfonylamino, ((C_1-C_6)alkylsulfonylamino, ((C_1-C_6)alkylsu$ C_6)alkylcarbonyl)((C_1 - C_6)alkyl)amino, (C_3 - C_{10})cycloalkyl((C_1 - C_6)alkyl)amino, (C_3 - C_{10})eveloalkyl(C_1 - C_6)alkyl)amino, (C_1 - C_6)alkylsulfonyl)((C_1 - C_6)alkyl)amino, (C_2 - C_9)heteroarylsulfonylamino, (C_6 - C_{10})arylsulfonylamino, ((C_6 - C_{10})arylsulfonyl)((C_1 - C_6)alkyl)amino, carboxy, (C_1-C_6) alkoxycarbonyl, (C_6-C_{10}) aryl (C_1-C_6) alkoxycarbonyl, (C_1-C_6) alxycarbonyl, (C_1-C_6) C_6)alkylcarbonyl, carboxy(C_1 - C_6)alkylcarbonyl, amino(C_1 - C_6)alkylcarbonyl, (C_1 - C_6)alkylamino(C_1 - C_6)alkylcarbonyl, ((C_1 - C_6)alkyl $)_2$ amino(C_1 - C_6)alkylcarbonyl, (C_6 - C_{10})arylcarbonyl, (C_2-C_9) heteroaryl (C_1-C_6) alkylcarbonyl, (C_6-C_{10}) aryl (C_1-C_6) alkylcarbonyl, hydroxy(C_1 - C_6)alkoxycarbonyl, (C_1 - C_6)alkoxy(C_1 - C_6)alkylcarbonyloxy, ((C_1 -C₆)alkyl)₂aminocarbonyloxyaminocarbonyl, hydroxyaminocarbonyl, (C₁-C₆)alkylaminocarbonyl, ((C₁-C₆)alkyl)₂aminocarbonyl, (C₆-C₁₀)arylaminocarbonyl, (C₆- C_{10})aryl(C_1 - C_6)alkylaminocarbonyl, aminocarbonyl(C_1 - C_6)alkylaminocarbonyl, (aminocarbonyl(C₁-C₆)alkylaminocarbonyl, (C₁-C₆)alkylaminocarbonyl(C₁-C₆)alkylaminocarbonyl, ((C₁-C₆)alkylaminocarbonyl(C₁-C₆)alkylaminocarbonyl, $(carboxy(C_1-C_6)alkyl)aminocarbonyl, (C_1-C_6)alkoxycarbonyl(C_1-C_6)alkylaminocarbonyl,$ $((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkylaminocarbonyl, (amino(C_1-C_6)alkyl)aminocarbonyl,$ hydroxy(C₁-C₆)alkylaminocarbonylamidino, (hydroxy(C₄- G_6 la superior de la comparación del comparación de la comparación de la comparación de la comparación del comparación de la comparaci (C_6-C_{10}) arylureido, $((C_6-C_{10})$ aryl)₂ureido, (C_6-C_{10}) aryl (C_1-C_6) alkylureido, halo (C_1-C_6) C_6)alkylureido, ((C_1 - C_6)alkyl)((C_6 - C_{10})aryl)ureido, ((C_1 - C_6)alkyl)₂ureido, halo(C_1 - C_6)alkylcarbonylureido, (halo(C_1 - C_6)alkyl)((C_1 - C_6)alkyl)ureido, ((C_1 - C_6)alkoxycarbonyl(C_1 - C_6)alkyl)ureido, glycinamido, (C_1 - C_6)alkylglycinamido, aminocarbonylglycinamido, (C_1-C_6) alkoxy (C_1-C_6) alkylcarbonylglycinamido, $(aminocarbonyl)((C_1-C_6)alkyl)glycinamido, ((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl)glycinamido, ((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl)glycinamido, ((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl)glycinamido, ((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl)glycinamido, ((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl)glycinamido, ((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl)glycinamido, ((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl)glycinamido, ((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl)glycinamido, ((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl)glycinamido, ((C_1-C_6)alkoxycarbonyl(C_1-C_6)alkyl(C_1-C_6)$ C_6)alkylcarbonyl)((C_1 - C_6)alkyl)glycinamido, ((C_1 - C_6)alkoxycarbonylamino(C_1 -C₆)alkylcarbonyl)glycinamido, (C₆-C₁₀)arylcarbonylglycinamido, ((C₆-

 C_{10})arylcarbonyl)((C_1 - C_6)alkyl)glycinamido, ((C_6 - C_{10})aryl(C_1 -

 C_6)alkylaminocarbonyl)glycinamido, $((C_6-C_{10})aryl(C_1-C_6)alkylaminocarbonyl)((C_1-C_6)alkylami$ C₆)alkyl)glycinamido, (C₆-C₁₀)aryl(C₁-C₆)alkylaminocarbonyl)((C₁-C₆-halkyl)glycinamido, ((C₆-C₁₀)arylaminocarbonylglycinamido, ((C₆- C_{10})arylaminocarbonyl)((C_1 - C_6)alkyl)glycinamido, alaninamido, (C_1 - C_6)alkylalaninamido, (C_2-C_9) heteroaryl, amino (C_2-C_9) heteroaryl, (C_1-C_6) alkylamino (C_2-C_9) heteroaryl, $((C_1-C_6)$ alkylamino $((C_2-C_9)$ heteroaryl), $((C_1-C_9)$ heteroaryl), $((C_1-C_9)$ heteroaryl), $((C_1-C_9)$ heteroaryl), $((C_1-C_9)$ heteroaryl), $((C_1-C_9)$ heteroaryl), $((C_1-C$ C_6)alkyl)₂amino(C_2 - C_9)heteroaryl, (C_2 - C_9)heteroaryloxy, (C_2 - C_9)heterocycloalkyl, carboxy(C₁-C₆)alkoxy, (C₁-C₆)alkylsulfonylaminocarbonyl(C₁-C₆)alkoxy, (C₁-C₆)alkylsulfonylamino(C₁-C₆)alkoxy, (C₂-C₉)heteroaryl(C₁-C₆)alkoxy, carboxy(C₁-C₆)alkylamino(C₂-C₆)alkoxy, amino(C₂-C₆)alkoxy, (aminocarbonyl)(hydroxy)amino, (C₁-C₆)alkylamino(C₂-C₆)alkoxy, ((C₁-C₆)alkyl)₂amino(C₂-C₆)alkoxy, (C₁-C₆)alkylcarbonylamino(C₂-C₆)alkoxy, aminocarbonylamino(C₂-C₆)alkoxy, (C₁-C₆)alkylaminocarbonylamino(C₂-C₆)alkoxy, ((C₁-C₆)alkyl)₂aminocarbonylamino(C₂- C_6)alkoxy, amino (C_2-C_6) alkoxycarbonylamino, (C_1-C_6) alkylamino (C_2-C_6) alkylamino (C_2-C_6) alkoxy C_6)alkoxycarbonylamino, $((C_1-C_6)alkyl)_2$ amino $(C_2-C_6)alkoxycarbonylamino, <math>(C_2-C_6)alkoxycarbonylamino)$ C_9)heteroarylamino (C_2-C_6) alkoxy, C_2-C_9)heteroarylamino (C_2-C_6) alkoxy, barbituryl, (C_1-C_6) alkylcarbonylamino (C_1-C_6) alkylaminocarbonyl, <u>carboxy (C_1-C_6) alkylcarbonyl</u> (C_6) alkylaminocarbonylamino, (C_2-C_9) heteroarylaminocarbonylamino, $((C_1-C_9))$ C₆)alkylamino)(C₆-C₁₀)aryl(C₁-C₆)alkyl, amino(C₁-C₆)alkoxycarbonylamino, (C₁- C_6) alkyl, halo (C_1-C_6) alkyl, aminocarbonyl, ureido (C_1-C_6) alkylcarbonylamino, (C_1-C_6) C_6) alkylcarbonylamino (C_1 - C_6) alkylcarbonylamino, (C_1 - C_6) alkylcarbonylamino (C_1 - C_6)alkylaminocarbonylamino, amino (C_1-C_6) alkylcarbonylamino where the (C_1-C_6) alkyl is optionally substituted with one or two groups selected from hydrogen, amino, hydroxyl, (C₁-C₆)alkoxy, carboxy, further substituted (C₂-C₉)heteroaryl, (C₆-C₁₀)aryl, (C₂-C₉)heterocycloalkyl, and cycloalkyl, or the two groups together make up a carbocycle; and R¹⁹carbonylamino where R¹⁹ is a nitrogen containing (C₂-C₉)heterocycloalkyl which is optionally substituted further with one or two groups selected from (C₁-C₆)alkyl, (C₂-C₆)alkoxy and hydroxy;

 R^9 is selected from the group consisting of hydrogen, (C_1-C_6) alkyl, (C_6-C_{10}) aryl,

 (C_6-C_{10}) aryl (C_1-C_6) alkyl, (C_1-C_6) alkylcarbonyl, (C_1-C_6) alkylcarbonyl (C_1-C_6) alkyl, (C_6-C_1) alkyl

 C_{10})aryl(C_1 - C_6)alkylcarbonyl, (C_6 - C_{10})aryl(C_1 - C_6)alkylcarbonyl(C_1 - C_6)alkyl, aminocarbonyl, ($(C_1$ - C_6)alkylaminocarbonyl, (($(C_1$ - (C_6) alkyl)₂aminocarbonyl and ($(C_1$ - (C_6) alkoxycarbonyl; and

R¹¹ and R¹² are each independently selected from the group consisting of hydrogen, (C_1-C_6) alkyl, (C_6-C_{10}) aryl, (C_6-C_{10}) aryl (C_1-C_6) alkyl, hydroxy, (C_1-C_6) alkoxy, hydroxy (C_1-C_6) alkyl, hydroxy, (C_1-C_6) alkoxy, hydroxy C_6)alkyl, (C_1-C_6) alkoxy (C_1-C_6) alkyl, amino, (C_1-C_6) alkylamino, $((C_1-C_6)$ alkyl)₂amino, (C_1-C_6) alkyl C₆)alkylcarbonylamino, (C₃-C₈)cycloalkylcarbonylamino, (C₃-C₈)cycloalkyl(C₁-C₆)alkylcarbonylamino, (C₁-C₆)alkoxycarbonylamino, (C₁-C₆)alkylsulfonylamino, (C₆-C₁₀)arylcarbonylamino, (C₁-C₆)alkoxycarbonyl(C₁-C₆)alkylcarbonylamino, (C₆- C_{10})aryl (C_1-C_6) alkylcarbonylamino, $((C_6-C_{10})$ aryl (C_1-C_6) alkylcarbonyl $)((C_1-C_6)$ alkylcarbonylabylcarbonylabylcarbonylabylcarbonylabylcarbonylabylcarbonyl C_6)alkyl)amino, (C_1 - C_6)alkylcarbonylamino(C_1 - C_6)alkyl, (C_3 - C_8)cycloalkylcarbonylamino(C_1 - C_6)alkyl, (C_1 - C_6)alkoxycarbonylamino(C_1 - C_6)alkyl, (C_2 - C_9)heterocycloalkylcarbonylamino(C_1 - C_6)alkyl, (C_6 - C_{10})aryl(C_1 - C_6)alkylcarbonylamino(C_1 - C_6)alkyl, (C_2 - C_9)heteroarylcarbonylamino(C_1 - C_6)alkyl, (C_6 - C_{10})arylsulfonylamino, (C_1 - C_6)alkylsulfonylamino(C_1 - C_6)alkyl, aminocarbonylamino, (C_1 -C₆)alkylaminocarbonylamino, halo(C₁-C₆)alkylaminocarbonylamino, ((C₁-C₆)alkyl)₂aminocarbonylamino, aminocarbonylamino(C₁-C₆)alkyl, (C₁-C₆)alkylaminocarbonylamino(C₁-C₆)alkyl, ((C₁-C₆)alkyl)₂aminocarbonylamino(C₁- C_6)alkyl, halo(C_1 - C_6)alkylaminocarbonylamino(C_1 - C_6)alkyl, amino(C_1 - C_6)alkyl, (C_1 - C_6)alkylamino(C_1 - C_6)alkyl, ((C_1 - C_6)alkyl)₂amino(C_1 - C_6)alkyl, carboxy(C_1 - C_6)alkyl, (C_1 - C_6)alkoxycarbonyl(C_1 - C_6)alkyl, aminocarbonyl(C_1 - C_6)alkyl and (C_1 - C_6)alkylaminocarbonyl(C_1 - C_6)alkyl.

Claim 2 (currently amended): A compound according to claim 1, wherein \mathbb{R}^1 is hydrogen, halo, cyano, nitro, trifluoromethyl, trifluoromethoxy, (C_1-C_6) alkyl, hydroxy or (C_1-C_6) alkylcarbonyl, (C_1-C_6) alkylcarbonyloxy.

Claim 3 (currently amended): A compound according to claim 1, wherein c is 1; X is C(O) or CH_2 ; d is 1; and Z is oxygen, NH, (C_1-C_6) alkyl, or $CR^{11}R^{12}$.

Claim 4 (original). A compound according to claim 1, wherein R^4 is $(R^5)_f(C_6-C_{10})$ aryl or $(R^5)_f(C_2-C_9)$ heteroaryl, wherein f is 1 or 2.

Claim 5 (currently amended): A compound according to claim 1, wherein c is 1; X is C(O); d is 1; Z is oxygen or $CR^{11}R^{12}$ (C₁-C₆)alkyl; W is nitrogen or CH; and l, m and k are zero, zero and 2 or 3 respectively, or k, l, and m are zero, zero and 2 or 3 respectively.

Claim 6 (currently amended): A compound according to claim 1, wherein R^4 is phenyl, Q is (C_1-C_6) alkyl, q is 0 or 1, and at least one R^5 is selected from: $(C_2-$

C₉)heteroarylaminocarbonyl, (C₂-C₉)heteroarylcarbonylamino, (C₁-

C₆)alkylsulfonylaminocarbonyl, aminosulfonylaminocarbonyl, carboxy(C₁-

C₆)alkylcyanoguanidino, carboxy, (C₂-C₉)heteroarylamino, (C₂-C₉)heteroarylsulfonyl, (C₂-

C₉)heteroaryl, (C₂-C₉)heteroaryloxy, (C₂-C₉)heteroarylcarbonyl, (C₂-C₉)heteroaryl(C₁-

C₆)alkylcarbonyl, carboxy(C₁-C₆)alkylaminocarbonylamino, (C₂-

C₉)heteroarylaminocarbonylamino, carboxy(C₁-C₆)alkylcarbonylamino, (C₂-

 C_9)heteroaryl(C_1 - C_6)alkylamino, carboxy(C_1 - C_6)alkylaminocarbonyl, carboxy(C_1 -

 C_6)alkylsulfonylamino, (C_2 - C_9)heteroarylaminosulfonyl, carboxy(C_1 - C_6)alkylsulfonyl, carboxy(C_1 - C_6)alkylamino, carboxy(C_1 - C_6)alkylcarbonyl, carboxy(C_1 - C_6)alkoxy,

 $carboxy (C_1\hbox{-} C_6) alkoxy carbonylamino, hydroxy amino carbonyl, (C_1\hbox{-}$

 $C_6) alkyl sulfonylaminocarbonyl (C_1-C_6) alkoxy, (C_2-C_9) heteroaryl (C_1-C_6) alkoxy, carboxy (C_1-C_6) alkoxy (C_1-C_6) a$

C₆)alkylamino(C₂-C₆)alkoxy, (C₂-C₉)heteroarylamino(C₂-C₆)alkoxy, amino(C₁-

C₆)alkylcarbonyl, (C₁-C₆)alkylamino(C₁-C₆)alkylcarbonyl, ((C₁-C₆)alkyl)₂amino(C₁-

C₆)alkylcarbonyl, amino(C₁-C₆)alkylcarbonylamino, (C₁-C₆)alkylamino(C₁-

C₆)alkylcarbonylamino, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylcarbonylamino, amino(C₁-C₆)alkylcarbonylamino,

 C_6) alkylureido, (C_1-C_6) alkylureido, $((C_1-C_6)$ alkyl $)_2$ amino (C_1-C_6) alkylureido, $((C_1-C_6)$ alkyl $)_2$ amino (C_1-C_6) alkyl $)_2$ amino (C_1-C_6) alkyl $)_3$ amino (C_1-C_6) alkyl $)_4$ amino (C_1-C_6) and (C_1-C_6) and

 C_6) alkylureido, amino (C_1 - C_6) alkylsulfonylamino, (C_1 - C_6) alkylamino (C_1 -

C₆)alkylsulfonylamino, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylsulfonylamino, amino(C₁-

 C_6) alkylsul fonyl, (C_1-C_6) alkylsul fonyl, $((C_1-C_6)$ alkyl) $_2$ amino (C_1-C_6) alkylsul fonyl, $((C_1-C_6)$ alkyl) $_2$ amino (C_1-C_6) alkylsul fonyl, $((C_1-C_6)$ alkylsul fonyl) $((C_1-C_6)$ alkylsul fonyl, $((C_1-C_6)$ alkylsul fonyl, $((C_1-C_6)$ alkylsul fonyl) $((C_1-C_6)$ alkylsul fonyl, $((C_1-C_6)$ alkylsul fonyl) $((C_1-C_6)$ alkylsul fonyl, $((C_1-C_6)$ alkylsul fonyl) $((C_1-C_6)$ alkylsu

 C_6) alkylsul fonyl, amino (C_1-C_6) alkylcyanoguanidino, (C_1-C_6) alkylamino (C_1-C_6)

C₆)alkylcyanoguanidino, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylcyanoguanidino, amino(C₁- C_6)alkylaminosulfonyl, (C_1 - C_6)alkylamino(C_1 - C_6)alkylaminosulfonyl, ((C_1 - C_6)alkyl)₂amino(C_1 - C_6)alkylaminosulfonyl, ((C_1 - C_6)alkylamino)(C_6 - C_{10})aryl(C_1 - C_6)alkyl, amino, amino(C_1 - C_6)alkoxy, amino(C_1 - C_6)alkoxycarbonylamino, (C_1 - C_6)alkylamino, ((C_1 - C_6)alkyl)₂amino, (C_6 - C_{10})arylamino, (C_6 - C_{10})aryl(C_1 - C_6)alkylamino, amino(C_1 -C₆)alkylamino, (C₂-C₉)heterocycloalkylamino, (C₂-C₉)heteroarylamino, (C₃-C₁₀)cycloalkyl(C₁-C₆)alkyl)amino, (amino(C₁-C₆)alkyl)aminocarbonyl, glycinamido, (C₁-C₆)alkylglycinamido, alaninamido, (C₁-C₆)alkylalaninamido, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylcarbonylamino, ((C₁-C₆)alkyl)2-amino(C₁-C₆)alkylcarbonylamino, halo, (C₁-C₆)alkoxy, (C₁-C₆)alkyl, halo(C₁-C₆)alkyl, aminocarbonyl(C₁-C₆)alkylureido, (C₁- C_6)alkylcarbonyl, (C_1-C_6) alkylsulfonylamino, (C_1-C_6) alkylsulfonylamino (C_1-C_6) alkylsulfonylamino C_6)alkylaminocarbonyl, aminocarbonyl, ureido(C_1 - C_6)alkylaminocarbonyl, aminocarbonyl(C₁-C₆)alkylaminocarbonyl, aminocarbonyl(C₄-C₆)alkyaminocarbonyl, aminocarbonyl(C₁-C₆)alkylcarbonylamino, ureido(C₁-C₆)alkylcarbonylamino, (C₁-C₆)alkylcarbonylamino(C₁-C₆)alkylcarbonylamino, (C₁-C₆)alkylcarbonylamino(C₁-C₆)alkylaminocarbonylamino, urcido(C₁-C₆)alkylearbonylamino, urcido, halo(C₁-C₆)alkylsulfonylamino, (C₁-C₆)alkylcarbonylamino(C₁-C₆)alkylaminocarbonyl.

Claim 7 (currently amended): A compound according to claim 1, wherein R⁴ is pyridyl, Q is (C₁-C₆)alkyl, q is 0 or 1, and at least one R⁵ is selected from: (C₂-C₉)heteroarylaminocarbonyl, (C₂-C₉)heteroarylcarbonylamino, (C₁-C₆)alkylsulfonylaminocarbonyl, aminosulfonylaminocarbonyl, carboxy(C₁-C₆)alkylcyanoguanidino, carboxy, (C₂-C₉)heteroarylamino, (C₂-C₉)heteroarylsulfonyl, (C₂-C₉)heteroarylamino, (C₂-C₉)heteroaryloxy, (C₂-C₉)heteroarylcarbonyl, (C₂-C₉)heteroaryl(C₁-C₆)alkylcarbonyl, carboxy(C₁-C₆)alkylaminocarbonylamino, (C₂-C₉)heteroaryl(C₁-C₆)alkylamino, carboxy(C₁-C₆)alkylaminocarbonyl, carboxy(C₁-C₆)alkylsulfonyl, carboxy(C₁-C₆)alkylsulfonyl, carboxy(C₁-C₆)alkylsulfonyl, carboxy(C₁-C₆)alkylsulfonyl, carboxy(C₁-C₆)alkylsulfonyl, carboxy(C₁-C₆)alkylsulfonyl, carboxy(C₁-C₆)alkylsulfonyl, carboxy(C₁-C₆)alkylsulfonyl,

carboxy(C₁-C₆)alkoxycarbonylamino, hydroxyaminocarbonyl, (C₁-C₆)alkylsulfonylaminocarbonyl(C₁-C₆)alkoxy, (C₂-C₉)heteroaryl(C₁-C₆)alkoxy, carboxy(C₁-C₆)alkylamino(C₂-C₆)alkoxy, (C₂-C₉)heteroarylamino(C₂-C₆)alkoxy, amino(C₁-C₆)alkylcarbonyl, (C₁-C₆)alkylamino(C₁-C₆)alkylcarbonyl, ((C₁-C₆)alkyl)₂amino(C₁- C_6)alkylcarbonyl, amino(C_1 - C_6)alkylcarbonylamino, (C_1 - C_6)alkylamino(C_1 -C₆)alkylcarbonylamino, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylcarbonylamino, amino(C₁-C₆)alkylureido, (C₁-C₆)alkylamino(C₁-C₆)alkylureido, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylureido, amino(C₁-C₆)alkylsulfonylamino, (C₁-C₆)alkylamino(C₁-C₆)alkylsulfonylamino, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylsulfonylamino, amino(C₁-C₆)alkylsulfonyl, (C₁-C₆)alkylamino(C₁-C₆)alkylsulfonyl, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylsulfonyl, C_6)alkylsulfonyl, amino(C_1 - C_6)alkylcyanoguanidino, (C_1 - C_6)alkylamino(C_1 -C₆)alkylcyanoguanidino, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkylcyanoguanidino, amino(C₁- C_6)alkylaminosulfonyl, (C_1 - C_6)alkylamino(C_1 - C_6)alkylaminosulfonyl, ((C_1 - $C_6) alkyl)_2 amino (C_1-C_6) alkylamino sulfonyl, ((C_1-C_6) alkylamino) (C_6-C_{10}) aryl (C_1-C_6) alkyl, ((C_1-C_6) alkyl_6) alkyl_6) aryl (C_1-C_6) alkyl_7) aryl (C_1-C_6) alkyl_8) aryl (C_1-C_6) aryl (C_1-C_6) alkyl_8) aryl (C_1-C_6) aryl$ amino, amino(C₁-C₆)alkoxy, amino(C₁-C₆)alkoxycarbonylamino, (C₁-C₆)alkylamino, ((C₁-C₆)alkylamino, ((C₁-C₆)alkylamino) C₆)alkyl)₂amino, (C₆-C₁₀)arylamino, (C₆-C₁₀)aryl(C₁-C₆)alkylamino, amino(C₁-C₆)alkylamino, (C₂-C₉)heterocycloalkylamino, (C₂-C₉)heteroarylamino, (C₃-C₁₀)cycloalkyl(C₁-C₆)alkyl)amino, (amino(C₁-C₆)alkyl)aminocarbonyl, glycinamido, (C₁-C₆)alkylglycinamido, alaninamido, (C₁-C₆)alkylalaninamido, ((C₁-C₆)alkyl)₂ amino(C₁-C₆)alkylcarbonylamino, aminocarbonyl(C₁-C₆)alkylcarbonyl, (C₁-C₆)alkylcarbonyl, (C₁-C₆)alkylcarbonyl C₆)alkylsulfonylamino, (C₁-C₆)alkylsulfonylamino(C₁-C₆)alkylaminocarbonyl, aminosulfonyl, aminocarbonyl, ureido(C1-C6)alkylaminocarbonyl, aminocarbonyl(C1-C₆)alkylaminocarbonyl, aminocarbonyl(C₁-C₆)alkyaminocarbonyl, aminocarbonyl(C₁-C₆)alkylcarbonylamino, ureido(C₁-C₆)alkylcarbonylamino, (C₁-C₆)alkylcarbonylamino(C₁- C_6) alkylcarbonylamino, (C_1-C_6) alkylcarbonylamino (C_1-C_6) alkylamino carbonylamino, ureido(C₁-C₆)alkylcarbonylamino, ureido, halo(C₁-C₆)alkylsulfonylamino, (C₁-

C₆)alkylcarbonylamino(C₁-C₆)alkylaminocarbonyl.

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Claim 8 (currently amended): Salts of a compound according to claim 1, where pharmaceutically acceptable counter-ions for acidic compounds are selected from alkali metal cations, alkaline earth metal cations ammonium or water-soluble amine addition salts, N-methylglucamine-(meglumine), the lower alkanolammonium and other base salts of pharmaceutically acceptable organic amines; and pharmaceutically acceptable salts selected from hydrochloride, hydrobromide, hydroiodide, nitrate, sulfate, bisulfate, phosphate, acid phosphate, acetate, lactate, citrate, acid citrate, tartrate, bitartrate, succinate, maleate, fumarate, gluconate, saccharate, benzoate, methanesulfonate, ethanesulfonate, benzenesulfonate, p-toluenesulfonate and pamoate salts pamoatesalts.

Claims 9-14 (cancelled).